This listing of claims will replace all prior versions, and listings, of claims in the application:

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## **Listing of Claims:**

- 1. (Currently Amended) A method for monitoring user actions on a computer system, comprising:
  - (a) determining, with a first application programming interface (API), whether a first screen object has been acted upon by a user, the first API being coordinate-independent and application message independent with respect to the first screen object; and
  - (b) in response to (a), capturing a user event associated with the first screen object;
    - (c) representing the captured user event as an event entry in a file; and
  - (d) playing back the user event from the event entry of the file to autonomously reproduce the captured user event.
  - 2. (Currently Amended) The method of claim 1, further comprising:
    - (e) (e) processing the captured user event.
- 3. (Original) The method of claim 1, wherein the first API comprises an Active Accessessibility® API.
  - 4. (Currently Amended) The method of claim 1, further comprising:
  - (e) (d) determining, with a second API, whether a second screen object has been acted upon by the user.
  - 5. (Currently Amended) The method of claim 1, further comprising:
  - (e) (d) determining, with a second API, whether the first screen object has been acted upon by the user.
  - 6. (Canceled)

- 7. (Currently Amended) The method of claim 1 6, wherein (e) (e) further comprises:
  - (ii) storing the file.
  - 8. (Currently Amended) The method of claim 7, wherein (e) (e) further comprises:

- (iii) retrieving the file.
- 9. (Canceled)
- 10. (Currently Amended) The method of claim <u>1</u> 6, wherein (e) (e) further comprises:
  - (ii) editing the event entry of the file.
  - 11. (Original) The method of claim 10, wherein (ii) comprises:
    - (1) modifying the event entry to represent a modified user event.
- 12. (Currently Amended) The method of claim  $\underline{1}$  6, wherein the file comprises a text file.
- 13. (Original) The method of claim 7, wherein the text file complies with an Extensible Markup Language (XML) format.
  - 14. (Currently Amended) The method of claim 2, further comprising:
  - (f) (d) inputting a command, through a user interface, that is indicative of subsequent processing of the user event.
  - 15. (Currently Amended) The method of claim 14, wherein the command is indicative of recording the user event, wherein (e) (e) comprises:
    - (i) determining a speed associated with the user event, the speed being associated with a duration of the user event;
      - (ii) determining whether a cursor is positioned over the first screen object; and
    - (iii) if the cursor is over the first object, accessing and recording parameters associated with the first screen object.

16. (Currently Amended) The method claim 15, wherein (e) (e) further comprises:

- (iv) highlighting the first screen object.
- 17. (Currently Amended) The method of claim 15, wherein (e) (e) further comprises:
  - (iv) if a keystroke is entered, associating the keystroke with a previously recorded object.
  - 18. (Original) The method of claim 7, wherein (ii) comprises:
  - (1) creating a knowledge base for archiving and exchanging at least one file, wherein each file comprises a representation of a set of user events.
  - 19. (Original) The method of claim 18, wherein (ii) further comprises:
  - (2) maintaining the knowledge base in accordance with at least one subsequent user event.
  - 20. (Original) The method of claim 1, wherein the first API is selected from the group consisting of an Access Accessibility® API, a Win32® API, and a Windows® system hooks API.
  - 21. **(Original)** The method of claim 1, wherein the first screen object is associated with an application program.
  - 22. (Original) The method of claim 21, wherein the first screen object comprises a desktop object.
  - 23. **(Original)** The method if claim 1, wherein the first screen object is associated with a web page.

24. (Original) The method of claim 1, wherein the user event occurs on a first computer of the computer system and wherein the user event is captured on the first computer.

- 25. (Original) The method of claim 1, wherein the user event occurs on a first computer of the computer system and wherein the user event is captured on a second computer of the computer system.
- 26. (Original) The method of claim 25, wherein an application or web page interacts with a remote software component through a toolbar in conjunction with a terminal service client.
- 27. **(Original)** The method of claim 13, wherein the XML file is exported as a hyper text markup language (HTML) file, wherein a web browser is utilized to playback the HTML file.
- 28. (Original) The method of claim 14, wherein the command is selected from the group consisting of a new command, an open command, a view command, a save command, a notes command, a record command, a back command, and a next command.
- 29. (Currently Amended) The method of claim 14, wherein the command is indicative of playing back the user event, wherein (f) (d) comprises:
  - (i) reading the event entry from a text file; and
  - (ii) reproducing the user event from the determining whether a cursor is positioned over the first screen object.

30. (Currently Amended) The method of claim 14, wherein the command is indicative of playing back a file, wherein (e) (e) comprises:

- (i) enumerating a desktop;
- (ii) in response to (i), drilling down through a hierarchy to find a matching screen object in accordance with at least one attribute of the event entry; and
- (iii) if the matching screen object is not found, stopping playback of the file; and
- (iv) if the matching screen object is found, invoking a recorded action that is associated with the user event.
- 31. (Original) The method of claim 30, further comprising:
- (v) in response to (iv), proceeding to a next user event that is recorded by the file.
- 32. **(Original)** The method of claim 12, wherein the event entry comprises a notes attribute, the notes attribute providing an annotation about the user event.
- 33. (Original) The method of claim 1, wherein (b) is performed by an ActiveX® component.
  - 34. **(Currently Amended)** The method of claim 2, wherein (e) (e) is performed by an ActiveX® component.
- 35. (Currently Amended) The method of claim  $\underline{1}$  6, wherein the event entry comprises a text entry.
- 36. (Original) A computer-readable medium having computer-executable instructions for performing the method as recited in claim 1.

37. **(Original)** A computer-readable medium having computer-executable instructions for performing the method as recited in claim 2.

- 38. (Currently Amended) A computer-readable medium having computer-executable instructions for performing:
  - (a) a processing module that captures and processes a user event by utilizing an application programming interface (API), wherein the user event is associated with a screen object and wherein the API is coordinate-independent and application message independent with respect to the screen object; and
  - (b) a data storage module that converts the user event to an event entry in a file; and
  - (c) a play back module that plays back the user event from the event entry of the file to autonomously reproduce the user event.
- 39. (Currently Amended) The computer-readable medium of clam 38, further comprising:
  - (d) (e) an input user interface module that receives a command and notifies the processing module about the command, the command being indicative about subsequent capturing and processing of the user event by the processing module.
  - 40. (Canceled)
  - 41. (Canceled)
- 42. (Currently Amended) A method for monitoring user actions on a computer system, comprising:
  - (a) inputting a command that is indicative of subsequent processing of the user event.

- (b) in response to (a), determining, with an application programming interface (API), whether a screen object has been acted upon by a user, the API being coordinate-independent and application message independent with respect to the screen object;
  - (c) in response to (a), capturing a user event associated with the screen object;

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- (d) representing the captured user event as an event entry in a text file;
- (e) subsequently retrieving the text file; and
- (f) playing back the user event from the event entry of the text file, wherein the user event is <u>autonomously</u> reproduced on an output device.

## 43. (Currently Amended) A method of claim 1, further comprising:

- (e) (e) determining, with the first API, whether another screen object has been acted upon by the user, the first API being coordinate-independent and application message independent with respect to the other screen object; and
- (f) (d) in response to (e) (e), capturing another user event associated with the other screen object.

## 44. (Currently Amended) The method of claim 1, further comprising:

- (e) (d) determining, with a second API, whether the first screen object has been acted upon by the user.
- 45. (New) The method of claim 1, further comprising:
  - (e) including a note to the event entry.